

Green Building Initiative

Benchmarking Workshop



November 4, 2005

11/9/05



**Late in 2004
Governor did 2 things:**

- 1. Issued an Executive Order (EO S 20-04), and**



2. Also issued the Green Building Action Plan (GBAP). In some cases the GBAP greatly amplified the tasks set out in the Executive Order



EO & GBAP Target

**CEC target is the Commercial sector
in California (@1.5 million
customers)**



EO & GBAP Overall Goal

**To result in 20% savings using 2003
as base year**

Complete by 2015



CEC Action Plan Specific Assignments:

- **AB549**
- **Building Standards**
- **Commissioning Guidelines**
- **Benchmarking**



Today's workshop focuses on...

Benchmarking



Benchmarking Assignment

There are two specific paragraphs on the subject of Benchmarking in the Action Plan that apply to the Energy Commission:



2.2.2 The CEC, in consultation with other governmental agencies, public and private utilities, and representatives of the business community, shall propose by July 2005 a simple building efficiency benchmarking system for all commercial buildings in the State...



2.2.4 The CEC shall prepare and submit to the Governor's office by July 2005 a plan, timetable and recommendations to accomplish benchmarking of all commercial and public buildings



What do we mean by benchmark?



What is the numerical value of the energy consumption (EUI) at my facility?

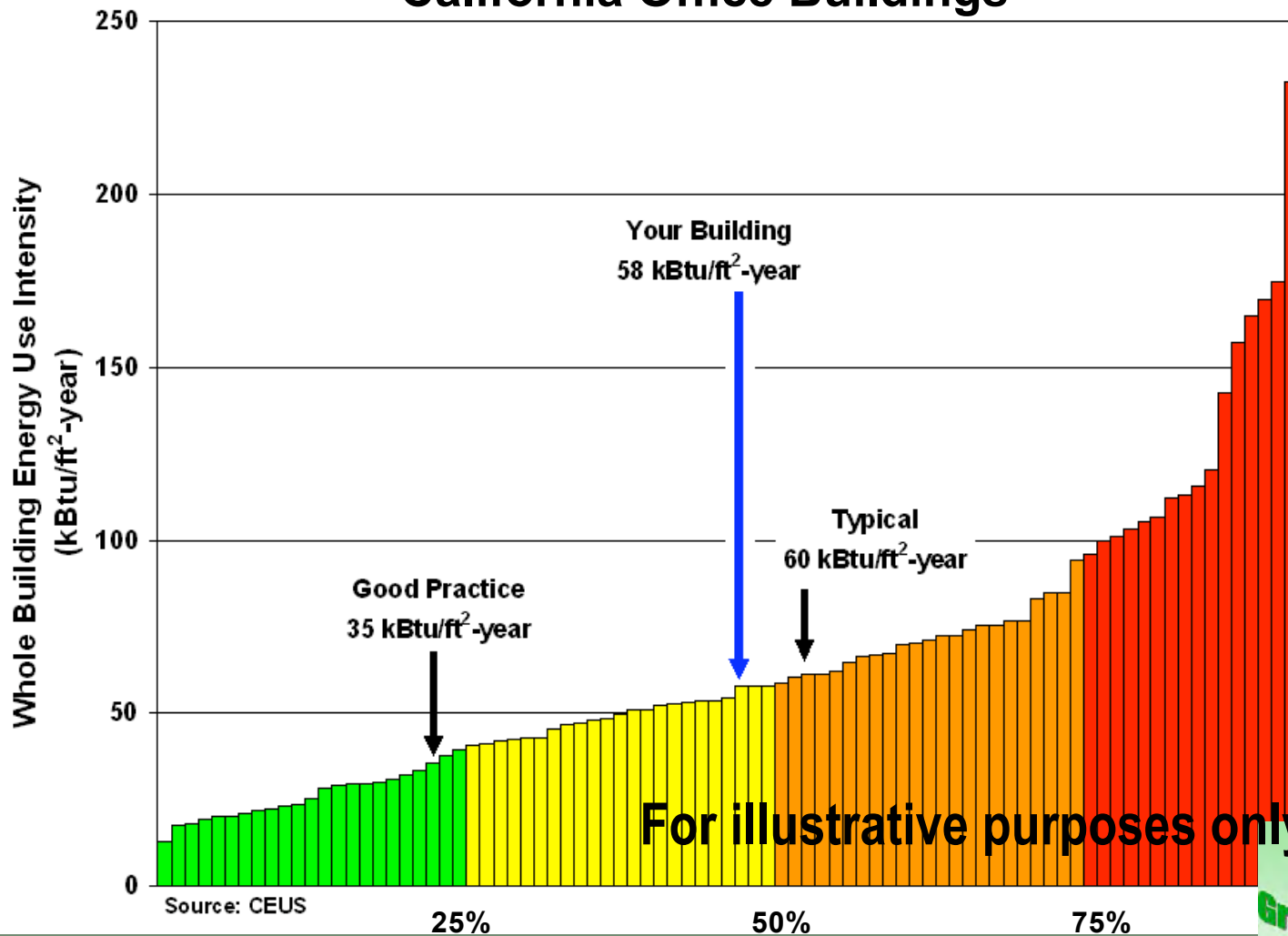


Where my facility lies in relation to the rest/average?



Green Building Initiative

California Office Buildings



BENCHMARKING SYSTEM FOR CALIFORNIA COMMERCIAL BUILDINGS

Claudia Orlando



Today's focus

- Not so much on the computation of benchmark methodology, but on...
- ...What's out there already:
 - Marketing strategies, and
 - Integration with existing utility programs...



Today's focus

(cont'd)

And



Today's focus

(cont'd)

...integrating with Trade Allies such as:



Trade Allies

- ESCO's
- Equipment vendors & contractors
- Engineering
- Maintenance folks



Existing Programs

- SDGE Small business analyzer (SDGE)
- SCE's Energy Manager program



1. SDGE Small business analyzer (SDGE)

**Mark Gaines, SDGE
Director, Conservation**



2. SCE's Energy Manager program

**Gene Rodrigues, SCE
Director, Energy Efficiency**



Marketing Strategies

- I've sent you all a preliminary list of issues we've pre-identified
- You no doubt will come up with many others as we go on



Marketing Strategies (cont'd)

- Leading us in our quest....



Marketing Strategies (cont'd)

Gene Rodrigues, SCE
Director, Energy Efficiency



Financial

- How to fund utility benchmarking activities
 - ◆ PGC or other mechanism
 - ◆ Reallocating existing authorized funds
- CPUC/utilities need to decide how to resolve:
 - ◆ Proceeding such as CPUC 01-08-028
 - ◆ Advice Letter
 - ◆ Other

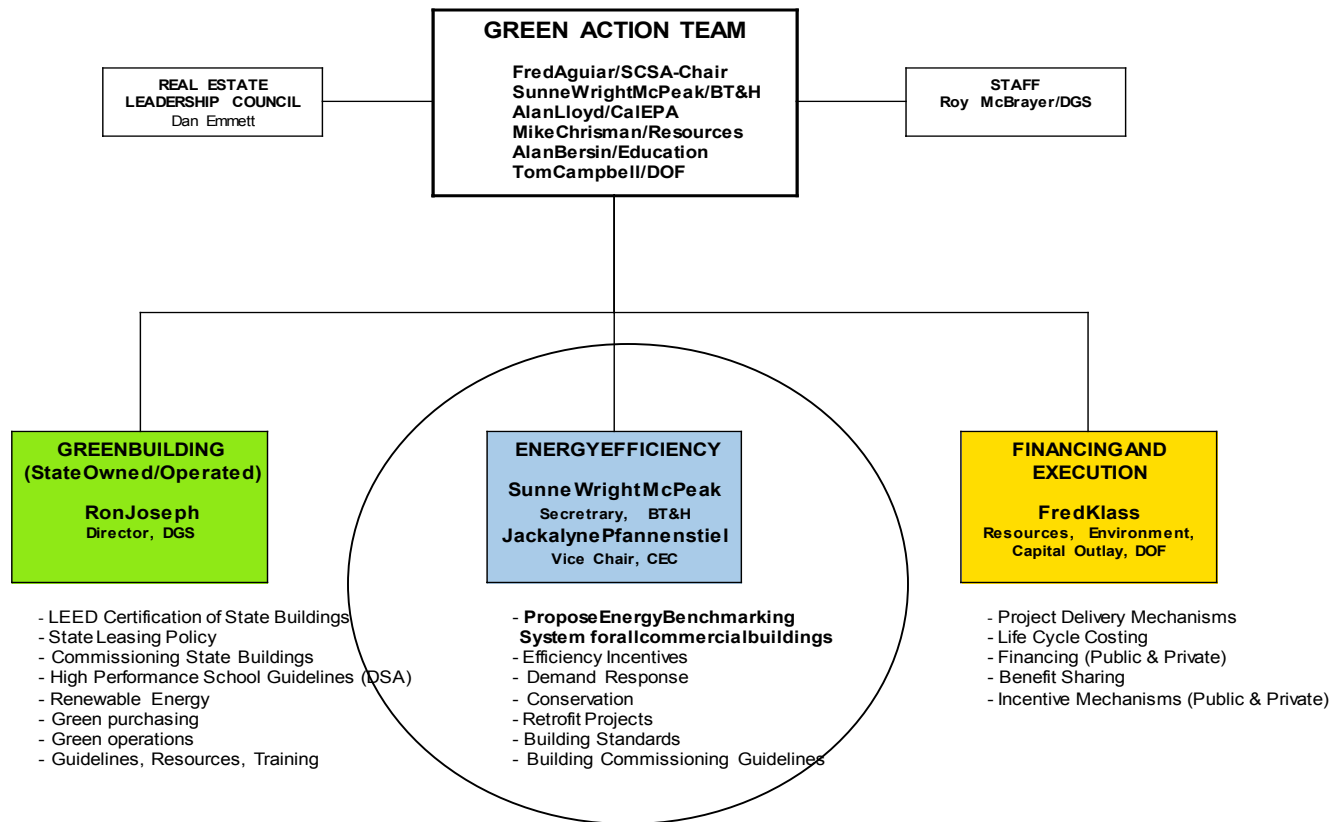


Next steps

- Utilities to go back talk to their management & legal; should address issues such as potential customer confidentiality, conflicts with other programmatic commitments.
- Utilities to put together tentative implementation plans and rough estimate of costs
- CPUC to decide in what context it wants to handle
 - Recovery of IOU expenses
 - Counting towards goals
- Meeting between EPA's Energy Star folks and utility technical folks
- Follow on meeting: December/January



GREEN ACTION TEAM



August 11, 2005

